

Garant
Solid carbide milling cutter, TiAlN, Ø e8 DC: 12mm

Order data

Order number	202725 12
GTIN	4045197746498
Item class	11X

Description
Version:

Double relief ground side clearance angle.

Without 45° cutting edge chamfer.

Technical description

Overhang length L_1 incl. recess	38 mm
Cutting edge $\varnothing D_c$	12 mm
No. of teeth Z	4
Direction of infeed	horizontal, oblique and vertical
Flute length L_c	28 mm
Shank $\varnothing D_s$	12 mm
Overall length L	84 mm
Feed f_z for side milling in steel $< 900 \text{ N/mm}^2$	0.08 mm
Recess $\varnothing D_1$	11.8 mm
Feed f_z for slot milling in steel $< 900 \text{ N/mm}^2$	0.06 mm
Shank	DIN 6535 HB to h6
Shank form	HB
Helix angle	30 degrees
Corner chamfer angle	90 degrees

Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	H
Cutting width a_e for milling operation	0.3×D for side milling
Cutting width a_e for milling operation	Full slot cutting depth 1×D
Through-coolant	no
Colour ring	without
Type of product	End / face mill

User data

	Suitability	V_c	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	280 m/min	N
Steel < 900 N/mm ²	suitable	100 m/min	P
Steel < 1100 N/mm ²	suitable	70 m/min	P
Steel < 1400 N/mm ²	suitable	60 m/min	P
Steel < 55 HRC	suitable	35 m/min	H
INOX < 900 N/mm ²	suitable	80 m/min	M
INOX > 900 N/mm ²	suitable only under restricted conditions	60 m/min	M
GG(G)	suitable	90 m/min	K
Uni	suitable		
wet maximum	Suitable		
wet minimum	Suitable only under restricted conditions		
dry	suitable		
Air	Suitable		

